

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1-35. (Canceled)

1 36-61. (Canceled)

1 62-70. (Canceled)

1 71. (Currently Amended) A storage system, comprising:
2 a system controller within a controller housing, the system controller being configured
3 for implementing a desired system level storage configuration;
4 a plurality of high density storage systems disposed within the system controller
5 housing, each of the plurality of high density storage systems further comprising:
6 a housing configured for installation in a system controller housing, the
7 housing further having a single connector configured for connecting to the system controller
8 housing;
9 a plurality of storage devices , each of the plurality of storage devices arranged
10 ~~edge to edge~~ linearly within the housing from a front of the housing to a back of the housing
11 to provide a high density storage system form factor having a width substantially
12 corresponding to a dimension of one of the plurality of storage devices; and
13 a storage access device for aggregating storage capacity of the plurality of
14 storage devices as a single storage device address to the system controller via the single
15 connector and for providing access to each of the plurality of storage devices within the
16 housing via the single connector; and
17 a package aggregator, coupled to the plurality of high density storage systems, for
18 aggregating storage capacity of the plurality of the plurality of high density storage systems
19 disposed within the system controller housing and for providing power, control and signaling
20 to each of the plurality of high density storage systems via the single connector of each of the
21 plurality of high density storage systems.

1 72. (Previously Presented) The storage system of claim 71, wherein the
2 plurality of storage devices are arranged horizontally end-to-end.

1 73. (Previously Presented) The storage system of claim 71, wherein the
2 plurality of storage devices are arranged vertically side-by-side.

1 74. (Previously Presented) The storage system of claim 71, wherein the width
2 of the high density storage system substantially corresponds to a height of one of the plurality of
3 storage devices.

1 75. (Previously Presented) The storage system of claim 71, wherein the width
2 of the high density storage system substantially corresponds to a width of one of the plurality of
3 storage devices.

1 76. (Previously Presented) The storage system of claim 71, wherein the system
2 level controller is configured to provide logical volume aggregation across the plurality of high
3 density storage systems.

1 77. (Previously Presented) The storage system of claim 71, wherein the system
2 level controller presents a system level RAID configuration across the plurality of high density
3 storage systems and the storage access device of each high density storage systems presents a
4 storage configuration for the plurality of storage devices within each high density storage system.

1 78. (Canceled)

1 79. (New) A method for providing high density storage, comprising:
2 providing a system controller within a controller housing, the providing a system
3 controller further comprising configuring the system controller for implementing a desired
4 system level storage configuration;
5 providing a plurality of high density storage system housings, each of the plurality of
6 high density storage system housings configured for installation in a system controller
7 housing, the plurality of high density storage system housings further having a single
8 connector configured for connecting to the system controller housing;
9 within each of the plurality of high density storage system housings, arranging a
10 plurality of storage devices linearly from a front of the housing to a back of the housing to
11 provide a high density storage system form factor for each of the plurality of high density
12 storage system housings having a width substantially corresponding to a dimension of one of
13 the plurality of storage devices;
14 aggregating storage capacity of the plurality of storage devices within each of the
15 plurality of high density storage system housings as a single storage device address to the
16 system controller via the single connector and providing access to each of the plurality of
17 storage devices within each of the plurality of high density storage system housings via the
18 single connector;
19 aggregating storage capacity of the plurality of high density storage system housings
20 disposed within the system controller housing;

- 21 providing power, control and signaling to each of the plurality of high density storage
- 22 system housings via the single connector of each of the plurality of high density storage
- 23 system housings.